

Appendix D – Definitions of Levels of Concern for Risk Assessment

TERRESTRIAL BIRDS AND WILD MAMMALS

Risk Presumption	Risk Quotient (RQ)	Level of Concern (LOC)
Acute Risk	EEC ¹ /LC ₅₀ or LD ₅₀ /sq ft or LD ₅₀ /day	0.5
Acute Restricted Use	EEC/LD ₅₀ or LD ₅₀ /sq ft or LD ₅₀ /day (or LD ₅₀ < 50 mg/kg)	0.2
Acute Endangered Species	EEC/LC ₅₀ or LC ₅₀ /sq ft or LD ₅₀ /day	0.1
Chronic Risk	EEC/NOAEC	1

AQUATIC ANIMALS

Risk Presumption	Risk Quotient (RQ)	Level of Concern (LOC)
Acute Risk	EEC ² /LC50 or EC50	0.5
Acute Restricted Use	EEC/LC50 or EC50	0.1
Acute Endangered Species	EEC/LC50 or EC50	0.05
Chronic Risk	EEC/MATC or NOAEC	1

TERRESTRIAL AND SEMI-AQUATIC PLANTS

Risk Presumption	Risk Quotient (RQ)	Level of Concern (LOC)
Acute Risk	EEC ³ /EC25	1
Acute Endangered Species	EEC/EC05 or NOAEC	1

AQUATIC PLANTS

Risk Presumption	Risk Quotient (RQ)	Level of Concern (LOC)
Acute Risk	EEC ² /EC50	1
Acute Endangered Species	EEC/EC05 or NOAEC	1

¹ Estimated Environmental Concentration (ppm) on avian/mammalian food items

² ppm or ppb in water

³ lbs a.i./A